

Table 24. Employed doctoral scientists and engineers in universities and 4-year colleges, by broad field of doctorate, primary work activity, and secondary work activity: 2001

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| Field of doctorate/primary work activity | Total number | Secondary work activity | | | | | | |
|--|--------------|-------------------------|------------------|----------|--------------------------------------|-----------------------|------------------|-----------------------|
| | | Total | R&D ¹ | Teaching | Management, sales and administration | Computer applications | Other activities | No secondary activity |
| [Percent] | | | | | | | | |
| All fields..... | 245,060 | 100.0 | 42.2 | 21.2 | 19.4 | 4.5 | 6.1 | 6.6 |
| R&D ¹ | 95,690 | 100.0 | 25.0 | 40.8 | 19.6 | 6.1 | 4.3 | 4.2 |
| Teaching..... | 105,760 | 100.0 | 63.8 | N/A | 14.4 | 4.1 | 8.2 | 9.6 |
| Management, sales, and administration..... | 23,690 | 100.0 | 26.0 | 28.2 | 33.7 | 2.8 | 7.5 | 1.8 |
| Computer applications..... | 3,380 | 100.0 | 53.9 | 13.9 | 16.8 | N/A | 3.8 | 11.5 |
| Other activities..... | 16,530 | 100.0 | 24.7 | 34.3 | 30.4 | 0.9 | 1.7 | 8.0 |
| Science..... | 217,940 | 100.0 | 41.6 | 20.8 | 19.8 | 4.2 | 6.6 | 7.0 |
| R&D ¹ | 85,490 | 100.0 | 25.0 | 40.0 | 20.0 | 5.8 | 4.6 | 4.6 |
| Teaching..... | 93,740 | 100.0 | 62.8 | N/A | 14.7 | 3.8 | 8.8 | 9.9 |
| Management, sales, and administration..... | 20,580 | 100.0 | 25.4 | 27.0 | 34.0 | 3.0 | 8.6 | 2.0 |
| Computer applications..... | 2,640 | 100.0 | 54.3 | 13.9 | 17.1 | N/A | 3.9 | 10.8 |
| Other activities..... | 15,500 | 100.0 | 24.3 | 34.3 | 31.0 | 0.4 | 1.7 | 8.2 |
| Computer and information sciences | 3,760 | 100.0 | 41.1 | 26.2 | 13.0 | 13.5 | 3.2 | 3.1 |
| R&D ¹ | 1,310 | 100.0 | 20.1 | 60.7 | 8.8 | 6.8 | S | S |
| Teaching..... | 1,930 | 100.0 | 59.3 | N/A | 14.9 | 18.5 | 4.4 | 3.0 |
| Management, sales, and administration.... | 410 | 100.0 | 19.7 | 40.0 | 14.5 | 14.9 | S | S |
| Computer applications..... | 60 | 100.0 | S | S | S | N/A | S | S |
| Other activities..... | S | S | S | S | S | S | S | S |
| Mathematical sciences | 14,980 | 100.0 | 46.7 | 18.1 | 12.8 | 6.8 | 5.0 | 10.5 |
| R&D ¹ | 3,380 | 100.0 | 10.6 | 68.3 | 8.5 | 7.8 | 1.7 | 3.0 |
| Teaching..... | 10,240 | 100.0 | 61.8 | N/A | 10.6 | 7.2 | 6.3 | 14.0 |
| Management, sales, and administration.... | 1,060 | 100.0 | 22.4 | 32.6 | 41.2 | S | S | S |
| Computer applications..... | 180 | 100.0 | 35.4 | 31.6 | S | N/A | S | S |
| Other activities..... | 120 | 100.0 | S | S | 66.8 | S | S | S |
| Biological and agricultural sciences | 72,850 | 100.0 | 38.5 | 22.6 | 23.0 | 3.1 | 5.7 | 7.1 |
| R&D ¹ | 41,360 | 100.0 | 29.5 | 31.0 | 24.5 | 3.9 | 5.1 | 6.0 |
| Teaching..... | 18,830 | 100.0 | 62.4 | N/A | 17.4 | 2.3 | 7.8 | 10.1 |
| Management, sales, and administration.... | 5,860 | 100.0 | 37.1 | 20.5 | 30.1 | 3.5 | 7.1 | 1.7 |
| Computer applications..... | 670 | 100.0 | 50.1 | 9.2 | 21.9 | N/A | 11.2 | 7.5 |
| Other activities..... | 6,130 | 100.0 | 26.5 | 38.6 | 23.4 | S | 1.2 | 10.2 |

See explanatory information and SOURCE at end of table.

Table 24. Employed doctoral scientists and engineers in universities and 4-year colleges, by broad field of doctorate, primary work activity, and secondary work activity: 2001

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| Field of doctorate/primary work activity | Total number | Secondary work activity | | | | | | |
|--|--------------|-------------------------|------------------|----------|--------------------------------------|-----------------------|------------------|-----------------------|
| | | Total | R&D ¹ | Teaching | Management, sales and administration | Computer applications | Other activities | No secondary activity |
| | | [Percent] | | | | | | |
| Health sciences..... | 11,790 | 100.0 | 38.3 | 20.9 | 22.0 | 4.1 | 10.3 | 4.4 |
| R&D ¹ | 3,720 | 100.0 | 22.6 | 38.9 | 21.1 | 6.5 | 7.3 | 3.6 |
| Teaching..... | 5,570 | 100.0 | 57.0 | N/A | 18.4 | 3.4 | 14.5 | 6.6 |
| Management, sales, and administration..... | 1,650 | 100.0 | 15.2 | 38.2 | 36.2 | 3.2 | 7.2 | S |
| Computer applications..... | 50 | 100.0 | S | S | S | N/A | S | S |
| Other activities..... | 800 | 100.0 | 28.8 | 45.5 | 22.9 | S | S | S |
| Physical and related sciences..... | 37,140 | 100.0 | 45.1 | 17.6 | 18.6 | 7.5 | 4.3 | 6.9 |
| R&D ¹ | 15,110 | 100.0 | 29.7 | 35.1 | 16.6 | 11.9 | 2.6 | 4.1 |
| Teaching..... | 16,220 | 100.0 | 62.5 | N/A | 16.5 | 4.8 | 6.1 | 10.1 |
| Management, sales, and administration..... | 3,420 | 100.0 | 29.8 | 23.6 | 33.4 | 5.2 | 5.7 | 2.2 |
| Computer applications..... | 1,090 | 100.0 | 61.6 | 8.7 | 15.0 | N/A | S | 14.5 |
| Other activities..... | 1,320 | 100.0 | 32.9 | 25.6 | 33.5 | S | S | 6.1 |
| Social sciences..... | 47,240 | 100.0 | 46.2 | 21.1 | 15.7 | 3.1 | 6.7 | 7.2 |
| R&D ¹ | 11,930 | 100.0 | 15.0 | 60.7 | 12.2 | 5.0 | 3.8 | 3.4 |
| Teaching..... | 27,890 | 100.0 | 66.8 | N/A | 12.0 | 2.9 | 8.4 | 9.8 |
| Management, sales, and administration..... | 5,310 | 100.0 | 14.7 | 34.7 | 41.4 | S | 5.6 | 2.7 |
| Computer applications..... | 300 | 100.0 | 46.5 | 27.2 | 17.2 | N/A | S | S |
| Other activities..... | 1,810 | 100.0 | 26.7 | 43.5 | 21.1 | S | 3.4 | 5.3 |
| Psychology..... | 30,190 | 100.0 | 36.4 | 21.0 | 23.1 | 2.3 | 11.0 | 6.3 |
| R&D ¹ | 8,680 | 100.0 | 16.6 | 49.2 | 20.9 | 4.1 | 7.1 | 2.2 |
| Teaching..... | 13,060 | 100.0 | 59.0 | N/A | 15.6 | 1.8 | 14.6 | 9.0 |
| Management, sales, and administration..... | 2,880 | 100.0 | 24.0 | 19.9 | 27.9 | 1.9 | 23.6 | 2.8 |
| Computer applications..... | 290 | 100.0 | 57.7 | S | 20.5 | N/A | S | S |
| Other activities..... | 5,280 | 100.0 | 18.4 | 27.7 | 42.8 | S | 1.9 | 8.5 |
| Engineering..... | 27,110 | 100.0 | 47.1 | 23.8 | 16.5 | 6.4 | 2.3 | 3.9 |
| R&D ¹ | 10,200 | 100.0 | 25.1 | 47.7 | 16.2 | 8.3 | 1.8 | 0.8 |
| Teaching..... | 12,030 | 100.0 | 71.4 | N/A | 12.4 | 6.3 | 3.2 | 6.8 |
| Management, sales, and administration..... | 3,110 | 100.0 | 29.9 | 36.3 | 32.2 | S | S | S |
| Computer applications..... | 740 | 100.0 | 52.3 | 14.0 | 15.8 | N/A | S | 14.1 |
| Other activities..... | 1,030 | 100.0 | 30.0 | 34.5 | 21.0 | 8.3 | S | 5.1 |

¹ R&D includes basic or applied research, development and design.

KEY: S = Suppressed due to too few cases (fewer than 50 weighted cases).

N/A = Not Applicable. Same work activity cannot be reported as both primary and secondary activity except for 'R&D', 'Management', and "Other activities" because these categories include more than one type of work activity.

NOTES: Numbers are rounded to nearest ten. Details may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 2001 Survey of Doctorate Recipients